

COURSE REQUIREMENTS

Complete at VCCS					Complete at UVA		
BACHELOR'S DEGREE REQUIREMENT	SATISFIED BY				BACHELOR'S DEGREE REQUIREMENT		4 SEMESTERS TO BSAE
Course*	Credits	Gen ED**	CC Course	Notes	Course	Credits	Notes (Spring or Fall noted when only offered that semester)
Does not transfer	1-2		SDV 100 or 101		MAE 2030	2	Semester 1, Fall
HSS Elective 1	3	PUA	ENG 111		MAE 3210	3	Semester 1, Fall
ENGR 1020	3	UA	ENG 112 or 113	Prefer ENG 113	APMA 3140	3	Semester 1
Unrestricted Elective 1	3	PUA	Any UCGS Humanities or Fine Arts		MAE 3310	3	Semester 1
Unrestricted Elective 2	3	UA	Any UCGS Humanities, Fine Arts, or Lit	This course must come from a different group than prior requirement.	MAE 3610	3	Semester 1
HSS Elective 2	3	PUA	Any UCGS History		MAE 3230	2	Semester 1, Fall (MAE 3210 coreq)
HSS Elective 3	3	PUA	Any UCGS Social/Behav Science	This course may not be a history course.	STS 2600	3	Semester 2
Unrestricted Elective 3	4	PUA	MTH 263	MTH 263 prerequisites not in this transfer guide. Discuss with community college advisor if applicable. 3 credits for Unrestricted Elective 1 credit for APMA 2130	MAE 3010	3	Semester 2
APMA 1110	4		MTH 264		MAE 3730	3	Semester 2
APMA 2120	4		MTH 265		MAE 2330	2	Semester 2, Spring
APMA 2130	3		MTH 267		MAE 3220	4	Semester 2
PHYS 1425/1429	4	PUA	PHY 241		STS 4500	3	Semester 3
PHYS 2415/2419	4	A	PHY 242		APMA 3110	3	Semester 3
CHEM 1410/1411	4	A	CHM 111		MAE 3420	3	Semester 3

ENGR 1010	2		EGR 121	Both EGR 121 & 122 to satisfy ENGR 1010	MAE 4120	3	Semester 3
ENGR 1010 MAE 2040	3		EGR 122	2 credits for ENGR 1010 1 credit toward MAE 2040	Math-Science Elective 1	3	Semester 3
CS 1110	3-4		EGR 125 or CSC 221		ME Design electives	6	MAE 4650 (Fall) /4660 (Spring) or MAE 4690/4700, Semester 3 & 4
MAE 2300	3		EGR 240		Tech Elective	1	Needs addition 1 credit to account for only 3 credits for ODEs (VCC MTH 267 vs. APMA 2130), Semester 3 or 4
MAE 2320	3		EGR 245		STS 4600	3	Semester 4
MAE 2310	3		EGR 246		MAE 3820	2	Semester 4
MAE 2100	3		EGR 248		Math/Sci/Tech Elective	3	1 of 2, Semester 4
					Math/Sci/Tech Elective	3	2 of 2, Semester 4
CREDITS PRE-TRANSFER: 66-68					CREDITS POST-TRANSFER: 64		
* HSS = Humanities and Social Science (content primarily on studying cultures, society and people)							
** A = Completion of the Associate Degree satisfies this General Education Requirement. U = This course satisfies a Uniform Certificate of General Studies requirement.							
P = This course satisfies a Passport requirement.							

TRANSFER GUIDANCE

Guaranteed Admission Agreement (GAA)

Students who complete the prescribed curriculum and meet the GAA criteria are guaranteed admission into UVA Engineering and directly into the Aerospace Engineering Major.

- To be competitive for admission outside the GAA, students should meet all or nearly all of the program's general education requirements, earn a minimum GPA of 3.0 or better at your current institution, and have 60-64 transferable credits.

IMPORTANT LINKS & DATES:

- **University Transfer Admissions:** <https://admission.virginia.edu/admission/transfer>
- **Admission Application:** By March 1 at <https://www.commonapp.org/>
- **Financial Aid:** <https://sfs.virginia.edu/>,
<https://sfs.virginia.edu/financial-aid-new-applicants/how-apply-aid-undergrad-programs/how-a-apply-financial-aid-transfer>, <https://sfs.virginia.edu/guide-css-profile>
- **FAFSA - Free Application for Federal Student Aid:** April 1 at <https://studentaid.gov/>

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Create a schedule for all required courses, pay attention to prerequisites and when courses are offered, complete your first math and English courses in your first year. For help, see Transfer Steps and Resource Center at www.TransferVirginia.org
- Connect with an advisor at your community college and in Aerospace Engineering at UVA within your first year.

IS THIS DEGREE RIGHT FOR ME?

- Aerospace engineers use engineering principles to design solutions for aircraft, spacecraft, satellites, and missiles.
- The Aerospace Engineering program at UVA will teach you fundamental principles of aerodynamics, flight vehicle dynamics, propulsion, and structural analysis.
- The Mechanical and Aerospace Engineering department at UVA has a flight simulator that students use during their 3rd year to put to the test theories learned in class.

WHAT IS THE IMPACT ON MY DEGREE OF WORK I HAVE ALREADY COMPLETED?

- **Associate Transfer Degree Completion:** The completion of an Associate Degree results in most first and second year degree requirements being met when you transfer to UVA Engineering.
- **Dual Enrollment – Completion of Associate Degree in HS:** The completion of an Associate Degree concurrent with high school results in 60 credits of coursework towards your degree and most general education courses satisfied. Students apply as and enroll as first year for orientation and engagement purposes.
- **Credit for Prior Learning:** Consult the Undergraduate Record for Advanced Examination test score (i.e. AP, IB, Military Experience) needed to earn course credit:
http://records.ureg.virginia.edu/content.php?catoid=52&navoid=4102#adva_exam
- **Catalog Year:** Catalog year determined by first semester of attendance at the community college post high-school graduation.

IS THIS COLLEGE RIGHT FOR ME?

- UVA Engineering has the highest four-year graduation rate for all undergrads and for Hispanic, Asian, and African-American students compared to all public engineering schools in the country
- UVA Engineering has the highest percentage of women students for all engineering schools with at least 200 female graduates per year. Learn more at <https://ira.virginia.edu/university-stats-facts/degrees-awarded>.
- AccessUVA guarantees 100% of demonstrated need for undergraduates, who are admitted on a need-blind basis.
- UVA engineering emphasizes the integral role of engineering in society, and our grads are widely recognized for their leadership and communication skills.

DID YOU KNOW THAT...

- Completing your Associate transfer degree post-high school satisfies all lower division general education requirements and increases the chance of completing your bachelor's degree.
- Exceeding 3 years or 90 credits at your community college means you may have exhausted your financial aid at that college and have limited your future financial aid at the University of Virginia.

WHAT CAN I DO WITH THIS DEGREE?

- Explore careers of UVA Engineering graduates through the [First Destination Reports](#).
- Explore possible careers, salaries, and job outlook at www.TransferVirginia.org

PROGRAM SUCCESSES & HIGHLIGHTS

- UVA Aerospace Engineering students placed 2nd in the 2023 American Institute of Aeronautics & Astronautics (AIAA) Aircraft Design Competition for their design of a hybrid electric turboprop concept.
- The University of Virginia Mechanical and Aerospace Engineering department brings together outstanding undergraduate and graduate programs with world-class expertise in energy, propulsion, autonomous systems, biomechanics and manufacturing.
- Transfer students who come to UVA Aerospace Engineering with an associate degree can expect to graduate in 2 years.
- Every student completes a capstone design project and an undergraduate thesis.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Any transfer student accepted to the UVA School of Engineering and Applied Sciences may major in Aerospace Engineering. There is no additional major application process. We look forward to you joining our program.
- Most enrolling applicants are admitted without having met all the guaranteed admission criteria.

DO MORE WITH YOUR DEGREE!

- Aerospace Engineering students at UVA are involved in a number of extracurricular organizations. For example, the Hoos Flying group competes annually in the Society of Automotive Engineers' Design-Build-Fly competition for remote-controlled aircraft.
- UVA Aerospace Engineering students often gain experience through summer internships with industry. Others take advantage of summer research opportunities within the Mechanical and Aerospace (MAE) Department.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- All UVA engineers complete a senior thesis portfolio, with a Science, Technology & Society research paper and a technical report, but these experiences are integrated into required courses during the fourth year.